

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT Public Works	(2) MEETING DATE 9/25/2012	(3) CONTACT/PHONE Tiburcio Perez, Transportation Engineer (805) 781-5138	
(4) SUBJECT Request to approve an agreement for engineering consulting services with Drake Haglan and Associates for South Bay Boulevard Bridge Seismic Retrofit in Los Osos, Contract No. 300455, Federal Project No. BHLS-5949(137) and Avila Beach Drive Bridge Seismic Retrofit in Avila Beach, Contract No. 300456; Federal Project No. BHLS-5949(136) in an amount not to exceed \$329,877.27. Districts 2 and 3.			
(5) RECOMMENDED ACTION It is our recommendation that your Honorable Board: 1. Approve the Agreement with Drake Haglan and Associates, in an amount not to exceed \$329,877.27, for the South Bay Boulevard Bridge No. 1, Seismic Retrofit, Contract No. 300455, Federal Project No. BHLS-5949(137) and Avila Beach Drive Bridge No. 1 Seismic Retrofit, Contract No. 300456, Federal Project No. BHLS-5949(136); 2. Authorize the Public Works Director, to approve change orders for an aggregate amount not to exceed \$20,000; 3. Direct the Chairperson to sign the Agreement.			
(6) FUNDING SOURCE(S) Fed Hwy Bridge Program, Roads Fund, State Aid - Nuclear Plan	(7) CURRENT YEAR FINANCIAL IMPACT \$349,877.27	(8) ANNUAL FINANCIAL IMPACT N/A	(9) BUDGETED? Yes
(10) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent <input type="checkbox"/> Presentation <input type="checkbox"/> Hearing (Time Est. _____) <input type="checkbox"/> Board Business (Time Est. _____)			
(11) EXECUTED DOCUMENTS <input type="checkbox"/> Resolutions <input checked="" type="checkbox"/> Contracts <input type="checkbox"/> Ordinances <input type="checkbox"/> N/A			
(12) OUTLINE AGREEMENT REQUISITION NUMBER (OAR) 19001206		(13) BUDGET ADJUSTMENT REQUIRED? BAR ID Number: N/A <input type="checkbox"/> 4/5th's Vote Required <input checked="" type="checkbox"/> N/A	
(14) LOCATION MAP Attached	(15) BUSINESS IMPACT STATEMENT? No	(16) AGENDA ITEM HISTORY <input checked="" type="checkbox"/> N/A Date	
(17) ADMINISTRATIVE OFFICE REVIEW			
(18) SUPERVISOR DISTRICT(S) District 3 -			

Reference: 12SEP25-C-5

County of San Luis Obispo



TO: Board of Supervisors

FROM: Public Works
Tiburcio Perez, Transportation Engineer

VIA: Dave Flynn, Deputy Director of Public Works

DATE: 9/25/2012

SUBJECT: Request to approve an agreement for engineering consulting services with Drake Haglan and Associates for South Bay Boulevard Bridge Seismic Retrofit in Los Osos, Contract No. 300455, Federal Project No. BHLS-5949(137) and Avila Beach Drive Bridge Seismic Retrofit in Avila Beach, Contract No. 300456; Federal Project No. BHLS-5949(136) in an amount not to exceed \$329,877.27. Districts 2 and 3.

RECOMMENDATION

It is our recommendation that your Honorable Board:

1. Approve the Agreement with Drake Haglan and Associates, in an amount not to exceed \$329,877.27, for the South Bay Boulevard Bridge No. 1, Seismic Retrofit, Contract No. 300455, Federal Project No. BHLS-5949(137) and Avila Beach Drive Bridge No. 1 Seismic Retrofit, Contract No. 300456, Federal Project No. BHLS-5949(136);
2. Authorize the Public Works Director, to approve change orders for an aggregate amount not to exceed \$20,000; and
3. Direct the Chairperson to sign the Agreement.

DISCUSSION

Subsequent to an Earthquake Evacuation study performed by Pacific Gas & Electric Company for a Diablo Canyon Power Plant preparedness review, two County bridges located on principle evacuation routes were identified as having potential damage due to a significant seismic event. They are:

1. South Bay Boulevard Bridge over Los Osos Creek
2. Avila Beach Drive Bridge over San Luis Obispo Creek.

Initial structural assessment were performed which lead to a determination by the State of California, Department of Transportation (Caltrans) that the bridges are seismically vulnerable, based on current seismic design standards, making them eligible for funding authorized by the Federal Highway Bridge Program. To define needed improvements, the design of a seismic retrofit will need to be performed by an outside Consultant.

A “two-step” consultant selection process under the Federally Funded Highway Bridge Program, as required for Caltrans Local Assistance projects and under County purchasing policies was followed to select the bridge design firm. A previously approved short list of three prequalified consultants was used. A selection committee independently evaluated and scored the written proposals.

Drake Haglan and Associates was chosen as the most qualified consultant to deliver these bridge seismic retrofit projects.

The contract provides for Drake Haglan and Associates, to perform professional and technical engineering, design, Test Borings, Liquefaction Analysis, and preparation of project reports. Drake Haglan and Associates will utilize Kleinfelder Geotechnical for geotechnical studies.

The effort under this contract will determine the seismic retrofit methods for the structures. After final approval from Caltrans regarding the need and approach of seismic retrofit, it will be necessary for us to return to your Board with a contract document to prepare plans, specifications and estimate (PS&E) to proceed to project construction. We anticipate returning to your Board with the contract amendment in late winter / early spring of 2013.

County Parks separately has an interest in developing a multi-use path from Avila Beach Drive to Port San Luis. Toward that end, the agreement provides for Drake Haglan and Associates to prepare an Advanced Planning Study to determine how best to construct a 10 to 12 foot wide multi-use pedestrian path by widening the existing bridge. Funding for a widening would be a separate project, however, it is expected that the retrofit work could facilitate the widening in the future by integrating necessary support systems.

With further development of PS&E in 2013 and coordination to secure environmental review and permit approvals, construction is anticipated in 2015.

OTHER AGENCY INVOLVEMENT/IMPACT

Caltrans Office of Local Assistance oversees funding by agreement with FHWA for authorization to utilize funds under the Federal Highway Bridge Program (HBP). Their staff has participated in the consultant selection process. The program provides a grant for bridge seismic retrofit which covers approximately 88.53% of project costs. County Parks will be funding the multi-use pedestrian path Advanced Planning Study.

The Regional Water Quality Control Board, Army Corps of Engineers, National Marine Fisheries Services, U.S. Fish and Wildlife Service, California Department of Fish and Game, California Coastal Commission may all have to be contacted to obtain the necessary environmental clearance/permits. Various utility companies will be contacted.

The Avila Valley Advisory Council and Los Osos Community Advisory Council have been presented with these upcoming projects and staff will return to them, as needed, to review project status.

FINANCIAL CONSIDERATIONS

The proposed Agreement for Drake Haglan & Associates is for a total compensation amount of \$329,877.27. It also provides for authorization of future change orders not to exceed an amount of \$20,000. Additional costs will be negotiated for the final PS&E documents once the retrofit strategy is known.

These multi-year bridge projects are budgeted through the Design Phase in the Roads Fund FY 2012-13 at \$1,100,000. Funding for these projects will be from the Federal Highway Bridge Program (HBP) in the amount of \$973,830, State Aid Nuclear Planning in the amount of \$88,452 and the Roads Fund in the amount of \$37,718.

The cost of construction to seismically retrofit the bridge is yet to be determined. Subsequent phases to the project will be budgeted over the next year. The County will be requesting additional funding authorization through the Federal HBP. Once those costs are known, we will return to the Board with a budget adjustment, as necessary.

The multi-use pedestrian path Advance Planning Study is non-participating under the Federal HBP. Funding for this study will be through General Service Agency – Parks Department – WBS 320015.

Please see Exhibit “A” for an estimated cost breakdown of the project.

RESULTS

To provide the public with a structurally sound bridge, that will help to maintain the integrity of the County Road System for a livable and safe community.

c: Shaun Cooper, County Parks

File: Contract No. 300455 / 300456

Reference: 12SEP25-C-5

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ATTACHMENTS

1. Vicinity Maps
2. Exhibit A - Project Cost Estimates
3. Agreement for Seismic Retrofit with Drake Haglan Assoc.